

**California State Parks Division of Boating and Waterways (DBW)**  
**2017/18 Quagga and Zebra Mussel Infestation Prevention Grant Program (\$3,750,000 Total Available Funding)**  
**Project Funding Summary**

Project	Reservoir	Project Type	Application Project Description	Applicant	Funding Requested (\$)	Funding Decision	Amount Funded (\$)	Conditions and/or Rationale
Big Bear Lake Quagga and Zebra Mussel Infestation Prevention FY 17/18	Big Bear Lake	Implementation/ Construction	The project will improve and enhance current quagga and zebra mussel efforts through continued efforts with BBMWD personnel operational costs, enhanced banding program, creating a better quality training environment, and building a secure and safer work space for QZ decontamination activities.	Big Bear Municipal Water District (BBMWD)	400,000.00	Partially	385,000.00	Funding was decreased by \$15,000 for the partition wall for the training facility as this was not directly relevant to the prevention of quagga and zebra mussel infestation.
Quagga and Zebra Mussel Infestation Prevention Strategic Public Outreach and Education	Lake Casitas	Implementation/ Construction	The project will provide strategic public education and outreach on quagga and zebra mussel infestations and the catastrophic impact infestations have on recreational boating, the environment and infrastructure of marinas and water treatment facilities.	Casitas Municipal Water District	89,380.30	Fully	89,380.30	Outreach activities must be pre-approved by DBW.
City of San Diego Quagga Prevention Program	Hodges Reservoir and Sutherland Reservoir	Implementation/ Construction	The ongoing Quagga Prevention Program consists of Inspection, Monitoring and Outreach for invasive species entering City of San Diego's non-infested reservoirs. This program began in 2007 and is handled by the City of San Diego Public Utilities Department. Vessels are inspected by lake staff and sampling is done by biologists to confirm the absence of invasive species. Reservoirs not connected to the California Aqueduct have remained un-infested over the past 10 years due to the diligent monitoring work by staff. This grant will help with the recovery of costs incurred by following the regulations in accordance with Fish and Game Code Section 2301(d)(1).	City of San Diego, Public Utilities Dept	271,981.60	Funding Declined by Applicant	0.00	Discussion involved funding a prevention plan. Funding declined by the Applicant.
Vulnerability Assessment	Diaz Lake	Planning/ Assessment	This project is for the preparation of a Vulnerability Assessment for Diaz Lake.	County of Inyo	10,400.00	Fully	10,400.00	The draft and final vulnerability assessment must be submitted California Department of Fish and Wildlife (CDFW) along with the DBW Grant Administrator, for review.
Shadow Cliffs and Contra Loma Prevention Program Implementation	Contra Loma Reservoir and Shadow Cliffs Lake	Implementation/ Construction	This project will support the utilization of the Quagga Inspection Database Live time Software at both project sites, continue to implement an Inspection Program at Contra Loma Reservoir, and continue to implement an Inspection Program at Shadow Cliffs Lake.	East Bay Regional Park District	399,332.00	Partially	399,330.50	
Cards, Bands, Stickers and Dedicated phone lines	Ruth Lake Reservoir	Implementation/ Construction	The District currently has a Prevention Plan and enforced inspection program to keep quagga and zebra mussels out of Ruth Lake. Funding from this grant will help cover costs for Gate Access Cards, Bands (Boat to Trailer), Inspection Stickers, and three dedicated phone lines used to run computers allowing access via the gate access key cards.	Humboldt Bay Municipal Water District	7,480.00	Fully	7,480.00	

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Quagga and Zebra Mussel Infestation Prevention FY 2017/18	Clear Lake	Implementation/ Construction	The project will provide funding for 5 ramp monitors for two years, bolster the supplies and equipment used by ramp monitors to perform their duties, allow two monitors to be WIT level I and II trained, provide new and better signage and forms of messaging for QZ mussel prevention including the development and production of radio PSAs, and provide a data entry person to enter data from the monitor contact forms to the boater information database.	Lake County Watershed Protection District	362,543.50	Partially	299,880.90	The Applicant later revised their request for some personnel, which were not covered by the grant.
QZ Mussel Infestation Prevention FY 2017/18 Planning	Clear Lake	Planning/ Assessment	The Lake County Mussel Prevention Plan will be improved by adding a Rapid Response Plan. While the Prevention Plan is a successful and preferred management strategy, Lake County must be prepared to take action when prevention measures fail. A Rapid Response Plan will be an addition to the Plan that responds to a QZ mussel incident quickly and effectively.	Lake County Watershed Protection District	65,791.60	Denied	0.00	Funding for this project was declined because a Rapid Response Plan is in response to infestation and is therefore not a prevention-type project. Only infestation prevention projects are reimbursable under the QZ Grant.
Paradise Lake Vulnerability and Prevention Plan	Paradise Lake and Magalia Reservoir	Planning/ Assessment	This project will prepare a mussel vulnerability assessment and prevention plan for Paradise Lake and Magalia Reservoir.	Paradise Irrigation District	55,711.00	Partially. Funding Declined by Applicant	0.00	Magalia Reservoir did not meet the eligibility requirements of this grant since it is not open to the public and recreational activities are not allowed; funding was removed from the overall granted amount.  Funding declined by Applicant for Paradise Lake.
SMUD Invasive Mussel Prevention Plan	Loon Lake, Rancho Seco Lake, Union Valley, Ice House, Folsom South Canal Pumping Plant	Planning/ Assessment	SMUD is proposing to update its Invasive Mussel Protection Plan to prevent the inadvertent and unwanted introduction of invasive mussel species into SMUD-owned reservoirs and water supplies owned or under contract by SMUD. This proposal is to update the Vulnerability Assessment, Invasive Mussel Prevention Plan, and examine the logistics and feasibility of installing inspection and decontamination stations in the UARP and Rancho Seco Lake.	Sacramento Municipal Utility District	145,858.38	Partially. Funding Declined by Applicant	0.00	Folsom South Canal Pumping Plant did not meet the eligibility requirements.  Funding for the other reservoirs was declined by the Applicant

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Cachuma Lake Enhanced Mussel Prevention Program	Cachuma Lake	Implementation/ Construction	Santa Barbara County Parks Division (SBCPD) is seeking funding to update and enhance the current Quagga-Zebra Mussel prevention plan in an effort to keep Cachuma Lake un-infested. In addition to current prevention protocols SBCPD seeks to update the program by creating satellite inspection sites in north and south counties as well as purchase equipment. With the purchase of new equipment SBCPD would be able to incorporate more detailed and comprehensive decontamination procedures. This in turn may allow for a reduced quarantine period for boaters wanting to launch at Cachuma Lake. SBCPD would also seek to hire additional staff to support the prevention efforts.	Santa Barbara County Parks Division	225,233.64	Partially	220,384.20	The QZ Grant program does not reimburse for the purchase of vehicles; therefore the funding request to fund a truck, was reduced to leasing a truck.
Phase II, Dinosaur Point Vessel Inspection Station Improvement Project for SLR S	San Luis Reservoir	Implementation/ Construction	The Phase II, Dinosaur Point Vessel Inspection Station Improvement Project is a modification/expansion of a previous project designed to improve the vessel inspection site. This project will provide a permanent 10 ft. X 20 ft. inspection station building with sewer, water and power with an improved inspection site and better traffic control. The project also provides for an electric powered gate on the Dinosaur Point boat ramp access road for better egress and access.	California Department of Parks and Recreation	370,636.02	Partially	54,500.00	The following items were not funded since they were not directly related to QZ prevention: Multi-use building with permanent restroom and water tank for fire prevention.
Lake Tahoe Watercraft Inspection Program Assessment	Lake Tahoe	Planning/ Assessment	The purpose of this project is to conduct an independent assessment of the Lake Tahoe Watercraft Inspection Program. This assessment will evaluate the effectiveness and accuracy of the watercraft inspections being carried out, according to Program protocols, at watercraft inspection stations and launch facilities at Lake Tahoe.	Tahoe Regional Planning Agency	21,450.00	Fully	21,450.00	
Santa Clara vessel Inspection Program for reservoirs in Santa Clara	Anderson, Calero, Coyote, Lexington and Stevens Creek	Implementation/ Construction	The project will implement physical vessel inspections at 4 reservoirs in Santa Clara County. Funding will go towards equipment & trained personnel needed to successfully establish the Vessel Inspection Program at the County's Vessel Inspection Sites. The project also includes operational improvements related to vessel inspection tracking, inspection station improvements, traffic flow, signage, and education.	Santa Clara County Parks and Recreation Department	278,274.00	Fully	278,274.00	

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Black Butte Lake- Education/Outreach & Quagga/Zebra Mussel Monitoring	Black Butte Lake	Implementation/ Construction	Park Rangers will continue monthly monitoring of three mussel substrates in accordance w/CDFW protocol. Monthly plankton tows will be contracted in order to verify the absence of Zebra/Quagga veligers. Signage interpreting the economic, recreational and environmental harm caused by mussel infestation will be installed at each boat launch facility. Signage w/instruction for self-inspection of vessels will be installed at each boat launch facility. Park Rangers will utilize interpretive/ educational handouts to better inform visitors of the economic, recreational and environmental harm caused by mussel infestation.	U.S. Army Corps of Engineers - SPK	33,000.00	Partially	9,000.00	Outreach activities must be pre-approved by DBW.  \$24,000 from Task 2 "Monthly Plankton Tows" was removed from this proposal's Scope of Work with the understanding that CDFW will provide this work.
Success Lake Quagga and Zebra Mussel Infestation Prevention FY 2017/ 18	Success Lake	Implementation/ Construction	The purpose of the Success Lake Mussel Prevention program is to adopt and implement a more comprehensive inspection program, provide education and educational materials regarding invasive mussel species, and enhance the project to decrease the risk of infestation. Overall, Success Lake plans to establish a mussel information/education headquarters station in the primary recreation area, expand the inspection program (artificial substrates, water sampling & plankton tows), educate visitors with mussel dogs and voluntary inspections and continue to grow into a full-fledged mandatory education and inspection program.	United States Army Corps of Engineers - SPK	400,000.00	Partially	349,733.01	The following items were not funded: multi-use building, and CDFW training (this is because CDFW provides training for moderate to high risk reservoirs, as a courtesy).
New Melones Reservoir	New Melones reservoir	Implementation/ Construction	This project will improve upon existing education, monitoring, and management programs by procuring materials for outreach, including setting up a mussel display at the lake's visitor center and museum, purchasing a storage facility for all three programs, contracting canine inspection teams, and purchasing portable inspection facilities.	US Bureau of Reclamation, New Melones	400,000.00	Deadline not met	0.00	The grant agreement was not submitted by the deadline, which caused the Applicant to forfeit the funding for this grant cycle.
Tahoe National Forest Reservoir Vulnerability Assessments	Upper Sardine, Lower Sardine, Upper Salmon, Lower Salmon, Deer, Snag, Packer, and Weaver.	Planning/ Assessment	The goal of this project is to conduct a vulnerability assessment and develop a prevention plan for reservoirs that are owned and managed by the Yuba District in the Tahoe National Forest. In addition, we will provide some public outreach and will monitor reservoirs for infestation. These reservoirs and lakes include Upper Sardine, Lower Sardine, Upper Salmon, Lower Salmon, Deer, Snag, Packer, and Weaver.	USFS - Tahoe National Forest	146,664.00	Fully	146,664.00	
<b>Total</b>					<b>\$ 3,683,735.28</b>		<b>\$ 2,271,476.91</b>	